

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Robert E. SPARKS et al.

Serial No.: 09/922,862

Filed: August 7, 2001

For: PRODUCTS FOR THE MANUFACTURE OF MOLDS AND CORES USED
IN METAL CASTING AND A METHOD FOR THEIR MANUFACTURE
AND RECYCLE FROM CRUSHED ROCK

INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents
Washington, DC 20231

Sir:


As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(b)(1) or (2), this Information Disclosure Statement is being filed either within three months of the filing date of the above-identified application, or within three months of the date of entry into the national stage of the above-identified application as set forth in 37 CFR §1.491. Accordingly, no fee is required.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By:


Marvin R. Stern
Registration No. 20,640

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Washington, DC 20004
(202) 638-6666

Atty. Dkt. No.: P63413US0
Date: October 23, 2001
MS/clc

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEApplicant
Robert E. SPARKS et al.LIST OF REFERENCES CITED BY APPLICANT
(Use Several Sheets if Necessary)Filing Date
August 7, 2001Group
355Date: October 23, 2001

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	1,420,593	6-20-22	Titchmarsh			
	AB	5,019,302	5-28-91	Sparks et al.			
	AC	5,100,592	3-31-92	Sparks et al.			
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	AE	3,933,626	1-20-76	Stukel et al.			
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	AG	5,032,256	7-16-91	Vickery			
	AH	5,163,562	11-17-92	Wilhelm et al.			
	AI	4,354,641	10-19-82	Smith			
	AJ	3,312,403	4-4-67	Zifferer			

FOREIGN PATENT DOCUMENTS

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					YES	NO
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AP	GE Classifiers, "Gravitational Classifier", October 1992, page 1.1
	AQ	Modern Casting, "Silica Threatens Your Existence", Alfred T. Spada, February 2000
	AR	

Examiner Signature

Date Considered:

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEAttorney Docket No.
11810/P63413US0Application No.
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	AB	4,154,894	5-15-79	Bushey			
	AC	4,735,973	4-5-88	Brander			
	AD	4,980,394	12-25-90	Lemon			
	AE	5,865,236	2-2-99	Hansen et al.			
	AF	5,094,289	3-10-92	Gentry			
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	AE	3,764,078	10-9-73	Richard			
	AF	3,863,847	2-4-75	Day et al.			
	AG	3,979,073	9-7-76	Leliaert			
	AH	4,050,635	9-27-77	Mueller et al.			
	AI	4,137,675	2-6-79	Cina et al.			
	AJ	4,177,952	12-11-79	Rikker			

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	AB	4,636,168	1-13-87	Sandstrom et al.			
	AC	4,671,867	6-9-87	Battie et al.			
	AD	4,738,615	4-19-88	Bailey et al.			
	AE	5,219,123	6-15-93	Jacob			
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	AI						
	AJ						

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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Robert E. Sparks et al.

Serial No.: 09/922,862

Group Art Unit: 1725

Filed: August 7, 2001

Examiner: Kuang Lin

For: PRODUCTS FOR THE MANUFACTURE OF MOLDS AND CORES USED IN METAL
CASTING AND A METHOD FOR THEIR MANUFACTURE AND RECYCLE FROM
CRUSHED ROCK

**SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

As a means of complying with the duty of disclosure under 37 CFR §1.56, and in accordance with 37 CFR §§1.97 and 1.98, Applicant(s), through the undersigned attorney, submits this Information Disclosure Statement. The patents, publications or other information submitted herewith are listed on the attached Form PTO-1449 and copies are attached.

In accordance with 37 CFR §1.97(d), this Information Disclosure Statement is being filed after the mailing date of either a Final Action under 37 CFR §1.113 or a Notice of Allowance under 37 CFR §1.311 but before the payment of the Issue Fee. Therefore, certification in accordance with 37 CFR §1.97(e) is included herein.

The patents and publications listed on Form PTO-1449 were cited in an International Search Report mailed not more than three months ago in a counterpart PCT patent application. A copy of the International Search Report is enclosed.

Additionally, submitted herewith is a check for the fee of \$180.00 which is the IDS processing fee under 37 CFR §1.17(p). Should any additional fee be required by the filing of this statement, please charge such fee to Deposit Account No. 06-1358. A duplicate copy of this paper is enclosed.

CERTIFICATION

It is hereby certified that the first citation of any item(s) by a foreign patent office in a counterpart foreign application was not made, in any communication from the foreign patent office, more than three months prior to the filing of this statement.

Respectfully submitted,

JACOBSON HOLMAN PLLC

By: 

Marvin R. Stern
Registration No. 20,640

400 Seventh Street, N.W.
Washington, DC 20004
(202) 638-6666

Atty. Dkt. No.: 11810/P63413US0
Date: July 21, 2003
MS/clc

Form PTO 1449

Attorney Docket No.
11810/P63413US0Application No.
09/922,862U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEApplicant
Robert E. SPARKS et al.LIST OF REFERENCES CITED BY APPLICANT
(Use Several Sheets if Necessary)Filing Date
August 7, 2001Group
1725

Date: July 21, 2003

U.S. PATENT DOCUMENTS

EXAMINER INITIAL*		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,575,013	3-11-86	BARTLEY			
	AB						
	AC						
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	AF						
	AG						
	AH						

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	TRANSLATION	
					YES	NO
	AI	EP 0074771	3-23-83	EUROPE	X	
	AJ	EP 0107752	5-9-84	EUROPE		X
	AK	DE 3021490	12-17-81	GERMANY		X
	AL	EP 0099470	2-1-84	EUROPE	X	
	AM	WO 9426438	11-24-94	WIPO	X	
	AN	DD 100889	10-12-73	GERMANY		X
	AO	RU 2043821	9-20-95	RUSSIA	X (abstract)	

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

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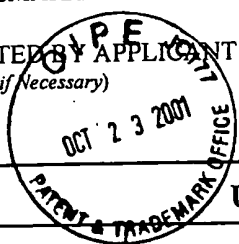
R. V. L. L.

Date Considered:

12/13/02

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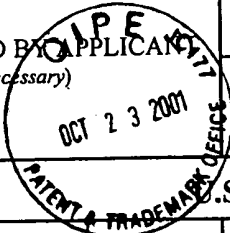
K. Y. Lin

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Form PTO 1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT (Use Several Sheets if Necessary) Date: <u>October 23, 2001</u>				Attorney Docket No. 11810/P63413US0		Application No. 09/922,862	
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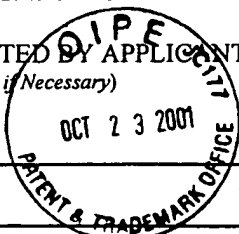
Examiner Signature <u>K. Y. Lin</u>	Date Considered: <u>12/13/02</u>
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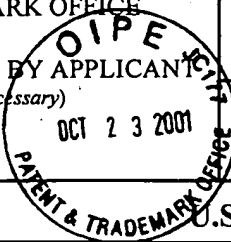
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Notice of References Cited

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09/922,862

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Examiner

Kuang Y. Lin

Art Unit

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Page 1 of 1

U.S. PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
	A	US-4,321,186	03-1982	Allison, III, George M.	523/139
	B	US-			
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

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	N					
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NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
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	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.